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2 **In the Claims**

3 Claims 1-17 and 22-46 are canceled without prejudice. Claims 47-52 are
4 added. Claims 18-21 are amended. Claims 18-21 and 47-52 are pending in the
5 application and listed below:

6

7 **1 -17. (CANCELED)**

8

9 **18. (CURRENTLY AMENDED) A facial image-processing The**
10 **method of claim 17 comprising:**

11 illuminating a face with multiple different light sources, wherein at least
12 one of the light sources is polarized;

13 measuring range map data from said illuminating;

14 measuring image data from said illuminating;

15 deriving a 3-dimensional surface from the range map data;

16 computing surface normals to the 3-dimensional surface; and

17 processing the surface normals and the image data to derive an albedo map.

18

19 **19. (CURRENTLY AMENDED) A facial image-processing The**
20 **method of claim 17 comprising:**

21 illuminating a face with multiple different light sources, wherein all of the
22 light sources are polarized;

23 measuring range map data from said illuminating;

24 measuring image data from said illuminating;

25 deriving a 3-dimensional surface from the range map data;

computing surface normals to the 3-dimensional surface; and

1 processing the surface normals and the image data to derive an albedo map.

2

3 **20. (CURRENTLY AMENDED) A facial image-processing The**
4 method ~~of claim 17 further~~ comprising:

5 illuminating a face with multiple different light sources;
6 measuring range map data from said illuminating;
7 after said measuring of the range map data, applying a generic face
8 template to the range map data to reject noise that is associated with the range map
9 data;

10 measuring image data from said illuminating;
11 deriving a 3-dimensional surface from the range map data;
12 computing surface normals to the 3-dimensional surface; and
13 processing the surface normals and the image data to derive an albedo map.

14

15 **21. (CURRENTLY AMENDED) A facial image-processing The**
16 method ~~of claim 17 further~~ comprising:

17 illuminating a face with multiple different light sources;
18 measuring range map data from said illuminating;
19 measuring image data from said illuminating;
20 prior to deriving the 3-dimensional surface, filtering the range map data;
21 deriving a 3-dimensional surface from the range map data;
22 computing surface normals to the 3-dimensional surface; and
23 processing the surface normals and the image data to derive an albedo map.

24

25 **22 - 46. (CANCELED)**

1 **47.** (**NEW**) The method of claim 18, wherein at least one of the light
2 sources is infrared.
3

4 **48.** (**NEW**) One or more computer-readable media having computer-
5 readable instructions thereon which, when executed by a computer, implement the
6 method of claim 18.
7

8 **49.** (**NEW**) The method of claim 18, wherein the light sources are at
9 different frequencies.
10

11 **50.** (**NEW**) One or more computer-readable media having computer-
12 readable instructions thereon which, when executed by a computer, implement the
13 method of claim 19.
14

15 **51.** (**NEW**) One or more computer-readable media having computer-
16 readable instructions thereon which, when executed by a computer, implement the
17 method of claim 20.
18

19 **52.** (**NEW**) One or more computer-readable media having computer-
20 readable instructions thereon which, when executed by a computer, implement the
21 method of claim 21.
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